

FAX TRANSMISSION

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PTO IDENTIFIER: Application Number 09/132,327-Conf. #9217
Patent Number

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PAGES (Including Cover Sheet): 22

CONTENTS: Copy of Response to File Corrected Application Papers dated February 18, 1998 (21 pages)

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PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Michel SAFARS et al.

Box Missing Parts

Serial No. 60/055,608

Attn: Appln. Processing Div.
Special Processing and
Correspondence Branch

Filed August 14, 1997

PROCEDE ET SYSTEME DE QUALIFICATION
DE DONNEES AU SEIN DE DOCUMENTS
PREALABLEMENT COLLECTESRESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

In response to Form PTO-1660, dated February 4, 1998, we advise that on January 2, 1998, we filed a verified English translation in response to Form PTO-1627, dated December 22, 1997. A copy of this is attached, along with our postcard receipt stamped by the OIPE on January 2, 1998.

At that time, we authorized the processing fee of \$130 to be charged to our Deposit Account.

Respectfully submitted,

YOUNG & THOMPSON

By

Benoît Castel
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745 South 23rd Street
Arlington, VA 22202
Telephone: 703/521-2297

February 18, 1998

USP97 TER QUA



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
 Address: COMMISSIONER OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE
60/055,408	08/14/97	SAFARS	H

0222/0204

YOUNG AND THOMPSON
 745 SOUTH 23RD STREET
 ARLINGTON VA 22202

NOT RECORDED

0100

DATE MAILED:

02/04/98

NOTICE TO FILE CORRECTED APPLICATION PAPERS
Filing Date Granted

An Application Number and Filing Date have been assigned to this application. However, the application is informal since it does not comply with the regulations for the reasons checked below. Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to correct the informalities noted below.

The required items identified below must be timely submitted to avoid abandonment:

- ☒ 1. A verified English translation of the non-English language application (37 CFR 1.52(d)) and \$ 130 fee under 37 CFR 1.17(k).
- ☐ 2. An Abstract, commencing on a separate sheet (37 CFR 1.53(d) and 37 CFR 1.72(b)).
- ☐ 3. The Claim(s) commencing on a separate sheet (37 CFR 1.53(d) and 37 CFR 1.75(h)).
- ☐ 4. A substitute specification in compliance with 37 CFR 1.52 because:
- ☐ All sheets must be the same size and either A4 (21 cm x 29.7 cm) or 8-1/2" x 11".
 - ☐ Papers are not flexible, strong, smooth, non-shiny, durable, and white.
 - ☐ Papers are not typewritten or mechanically printed in permanent dark ink on one side.
 - ☐ Papers contain hand lettering.
 - ☐ Papers contain improper margins. *Each sheet must have a left margin of at least 2.5 cm (1") and top, bottom and right margins of at least 2.0 cm (3/4").*
 - ☐ Line spacing on the sheets is not 1-1/2 or double-spaced.
 - ☐ The pages of specification including the abstract and claims are not consecutively numbered starting with the number "1."
 - ☐ The pages of specification do not contain page numbers centrally located within the top or, preferably, bottom margin.
 - ☐ The copy of the prior application submitted for this 37 CFR 1.60 application contains the defects checked above.
- ☐ 5. Substitute drawings in compliance with 37 CFR 1.84 because:
- ☐ The drawings or copy of drawings are not suitable for electronic reproduction.
 - ☐ All drawing sheets must be the same size and either A4 (21cm x 29.7 cm) or 8-1/2" x 11".
 - ☐ Each sheet must include a top and left margin of at least 2.5 cm (1"), a right margin of at least 1.5 cm (9/16") and a bottom margin of at least 1.0 cm (3/8").
- ☐ 6. Page(s) _____, are not of sufficient clarity, contrast and quality for electronic reproduction.
New typewritten or mechanically printed pages of sufficient clarity, contrast and quality for electronic reproduction, together with a statement that the new pages contain the same material as those on deposit are required. This statement must be verified if made by someone other than an attorney or agent registered before the PTO.
- ☐ 7. OTHER:

Direct the response and any questions about this notice to "Attention: Box Missing Parts."

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Customer Service Center
 Initial Patent Examination Division (703) 308-1202

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Michel SAFARS et al.

Serial No. 60/055,608

Attn: Box Provisional Patent
Application

Filed August 14, 1997

PROCEDE ET SYSTEME DE QUALIFICATION
DE DONNEES AU SEIN DE DOCUMENTS
PREALABLEMENT COLLECTESRESPONSE TO NOTICE TO FILE MISSING PARTS

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

In response to Form PTO-1627, dated December 22, 1997, we enclose herewith the verified English translation which was omitted at the time of filing the above-captioned provisional application, which was filed on August 14, 1997 in the names of Michel SAFARS, Fabrice FRACHON, Pierre SILVESTRE de SACY NOUGARET DURAFORT, and Thierry VERRECCHIA.

Please charge the processing fee of \$130 to Deposit Account No. 25-0120. A duplicate copy of this paper is enclosed for this purpose.

Respectfully submitted,

YOUNG & THOMPSON

By

Robert J. Patch
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745 South 23rd Street
Arlington, VA 22202
Telephone: 703/521-2297

January 2, 1998

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UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE
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VERIFIED AND FORWARDED
BY: JENNIFER L. WOOD, JENNIFER L.
APPROVED: 10/2/08

DATE MAILED: 10/2/08

NOTICE TO FILE MISSING PARTS OF PROVISIONAL APPLICATION
Filed Under 37 CFR 1.53 (b) (2)

An Application Number and Filing Date have been assigned to this Provisional Application. However, the items indicated below are missing. The required items and fees identified below must be timely submitted **ALONG WITH THE PAYMENT OF THE SURCHARGE** for items 1 and 2 only of \$ 130 for a ☐ large entity ☐ small entity in compliance with 37 CFR 1.27 (37 CFR 1.16 (l)).

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file all required items and pay any fees required above to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136 (a).

If all required items on this form are filed within the period set below, the total amount owed by applicant as a ☐ large entity ☐ small entity (verified statement filed), is \$ 130.

- ☐ 1. The statutory provisional application filing fee is:
☐ missing.
☐ insufficient.
Applicant must submit \$ _____ to complete the filing fee.
- ☐ 2. The provisional application cover sheet identifying:
☐ either the city and state or city and foreign country of the residence of each inventor.
☐ the title of the invention is required in compliance with 37 CFR 1.51(a)(2)(i).
- ☐ 3. The application was filed in a language other than English.
Applicant must file a verified English translation of the application and a fee of \$ _____ under 37 CFR 1.17(k) unless this fee has already been paid.
- ☐ 4. A \$ _____ processing fee is required for returned checks (37 CFR 1.21(m)).
- ☐ 5. Your filing receipt was mailed in error because your check was returned without payment.
- ☐ 6. The drawings contained in the application cannot be microfilmed or properly stored because they
☐ do not comply with the size requirements (8-1/2 by 11 inches or 21.0 by 29.7 cm).
☐ are not clear enough or in permanent ink.
New drawings are required.
- ☐ 7. The specification cannot be microfilmed or properly stored. Page(s):
☐ _____ do not contain writing on only one side of the page.
☐ _____ do not comply with the size requirements (8-1/2 by 11 inches or 21.0 by 29.7 cm).
☐ _____ are not clear enough or in permanent ink.
Replacement pages, together with a statement that the replacement pages contain the same material as those on deposit, are required. This statement must be verified if made by someone other than an attorney or agent registered to practice before the PTO.

☒ 8. Other: English translation is needed

Direct the response and any questions about this notice to "Attention: Box Provisional Patent Application."

A copy of this notice MUST be returned with the response.

K. Jones
Customer Service Center
Initial Patent Examination Division (703) 308-1202

**PONTET
ALLANO**

& a s s o c i é s

Conseils en Propriété Industrielle

D E C L A R A T I O N

I, Sylvain ALLANO, of PONTET ALLANO & Associés , 25 rue Jean Rostand, PARC-CLUB ORSAY-UNIVERSITE, F-91893 ORSAY CEDEX, France, do solemnly and sincerely declare :

1. that I am well acquainted with both the English and French languages,
- and
2. that the attached document is a true and correct translation of the description and the drawings accompanying the provisional application filed on 14th August 1997,

and I make this declaration conscientiously believing the statement contained herein to be true in every particular.

Dated this 24th September 1997



Sylvain ALLANO

- 1 -

"PROCESS AND SYSTEM FOR THE QUALIFICATION OF DATA IN
PREVIOUSLY COLLECTED DOCUMENTS"

The present invention relates to a process for the qualification of data in previously collected documents.

5 It also relates to a system for its implementation.

The development of information media and communications networks such as the Internet has led to a considerable increase in the mass of data and information which can be consulted and collected. Users of these new techniques are soon submerged by volumes of data which must be stored, filed and qualified, in particular if this data is to be consulted offline. Currently, while experienced web surfers may be able to do the best they can using personal techniques to file the thousands of HTML pages collected, it is an entirely different matter for new Internet users accessing an unknown world of data and not having the dexterity or know-how of the said web surfers.

20 The aim of the present invention is precisely to offer a data qualification process allowing simple and quick creation of books from sets of documents collected from various information sources.

This is obtained with a process for qualifying data in documents previously collected, in particular from sites connected to a communications network, these documents being available for consultation in the form of pages of a book of which they constitute the content. It should be noted that there is already a software product called Loïs (Web navigator) which integrates a presentation of documents in the form of the pages of a book.

35 According to the invention, data can be selected in each page of a document being consulted and contained in a book, in order to generate from the said selected data tools for accessing the content of this book.

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The qualification process according to the invention thus provides a method for organising and managing data which goes far beyond a simple compilation of consulted pages as it will be possible to process all the data
5 contained in the documents constituting a book in a global form using access tools configured for each book.

For example, as regards access tools, the process according to the invention may include the generation of an index from the data highlighted in a document, this
10 index indicating all the pages in which each information item appears.

This index can in particular be generated from highlighted information, but also from information identified by specific processing of its characters. It
15 may include a box for entering a term to be searched for in the index.

A tool for accessing the contents of the documents consists of a summary generated from information selected in a document. This summary can also be supplied by
20 notes taken in other documents in a book.

The qualification process according to the invention can also advantageously be designed to associate with a document one or more notes attached to the document at a user's request. For example, these notes are presented in
25 the form of a self-adhesive label to be attached to a document, in which the user can enter a portion of text. These notes may have the property of being transparent, thus allowing the contents of the note to be displayed without hiding the document as a result. Searches in the
30 index can also relate to these attached notes.

In an advantageous version of the process according to the invention, a table of contents is provided, generated from all the documents consulted. Each document consulted is thus added to the table of contents
35 in chronological order; it is also possible to envisage a reorganisation of the table of contents in a hierarchical

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order. In particular, in the case of documents collected on a communications network such as the Internet, the reorganisation of the table of contents can be based on the URL address tree structure.

5 The process according to the invention can also advantageously include the possibility for a user to move all the links of the table of contents in order to generate his own tree structure, or to mask one or more branches of this tree structure.

10 An indication in the table of contents of documents modified on remote sites, of documents saved locally or qualified documents (annotations, passages highlighted in the document) can also be provided. In practice, the process according to the invention also comprises the
15 generation of a folder containing all the pages consulted.

According to another aspect of the invention, a system is proposed for qualifying data in previously collected documents, in particular by visiting sites
20 connected to a communications network, implementing the process according to the invention, associated with means for collecting documents, means for storing these collected documents, means for processing these collected and stored documents and means for displaying and
25 consulting the contents of these documents in the form of the pages of a book, characterised in that it includes means for selecting data in consulted pages. This system also includes means for generating tools for accessing the contents of documents stored in a book, in particular
30 an index, a table of contents and a summary.

A personal blank page can be inserted at the current position, in order to accommodate textual or graphical notes or any other item. It can also be arranged to implement a Desktop Publishing (DTP) package for this
35 personal page.

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Other features and advantages of the invention will become apparent in the description below. In the annexed drawings, provided as non-limitative examples:

- Figure 1 represents a first example of the display of documents in "book" format by the process according to the invention;
- Figure 2 represents a second example of the display of documents in "memo book" format by the process according to the invention;
- 10 - Figure 3 represents a third example of the display of documents in "notepad" format by the process according to the invention;
- Figure 4A represents the structure of a database implemented by the process according to the invention;
- 15 - Figure 4B represents the methods for accessing the data in a database implemented by the process according to the invention;
- Figure 5 is a block diagram of the essential functions provided by the process according to the invention.

There follows a description of examples of the display of documents obtained using the qualification process according to the invention, with reference to Figures 1 to 3.

The screen 1 comprises two pages respectively left and right PG, PD articulated around a binding RL, and a set of icons located for example in the upper part of the screen. The book B1 thus displayed comprises a first set of tabs O11 located on its left-hand side and a second set of tabs O12 located on its right-hand side. Of course, as the pages are turned, the respective number of tabs instantly located respectively on the left and the right is variable. The first set of tabs O11 includes in particular a "Table of contents" tab OS preferably located at the top of this first set of tabs and a page

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marker tab MP, whereas the second set of tabs O12 includes an "Index" tab OI preferably located at the bottom of this second set of tabs. The left-hand and right-hand pages PG, PD respectively accommodate the active documents DG, DD. The screen 1 further comprises a navigation bar BN located for example in the upper part and a set of command icons EI. It is further provided with shortcut boxes RP, RS used respectively to reach the previous and following pages.

10 In the second example of display illustrated by Figure 2, the screen 2 includes a first upper page PS and a second lower page PI each containing active documents DS, DI being displayed. The memo book B2 thus displayed includes a first set of tabs O21 located on the upper edge of the upper part PS and a second set of tabs O22 located on the lower edge of the lower part PI. The set of icons EI is for example arranged on the right-hand side of the screen 2. The first set of tabs O21 includes for example a "table of contents" tab OS, whereas the second set of tabs O22 includes for example an "index" tab OI.

20 A notepad type display mode can also be used with reference to Figure 3, in which a screen 3 includes a set of tabs O31 arranged for example on the upper edge of a single page PA containing an active document DA being displayed. The set of tabs O31 includes for example a "table of contents" tab OS, divider tabs O2-O5 and an index tab OI.

30 A database DB implemented by the process according to the invention includes, with reference to Figures 4A and 4B, a documentation center MS, a bookcase BC, bookshelves BS, books BO, indexed terms TI, links LI, data DA, bookmarks BM, notes NO and highlighters HI. It also includes flags FL, an access file AC, flags LS for determining security levels, a timetable TT, an event log

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LO, users US, user groups GR, relationships between groups and users GU and a unique access identifier OA.

The documentation or media center MS, referred to below as MediaCenter, is the logical paradigm of a documentation centre. It can be used to identify major information sources. As a non-limitative example, in a company, several database servers can be installed which can thus be consulted equally well. The MediaCenter groups all the bookcases, referred to below as the BookCase suite.

The BookCase is a storage space for a large number of books grouped logically by a user. It is the paradigm of the item of furniture representing a bookcase. It is associated with a single MediaCenter.

The BookShelf is the paradigm of a bookshelf. It is used to thematically group a set of books. There is no logical limit to the number of books. Only the representation on screen of a bookshelf in the bookcase can limit their number.

The books are stored in the bookshelves and can be moved to any of the hierarchical elements mentioned above.

The MediaCenters can be elements which can be shared on the Web. A user navigating on the Internet can decide to consult an information library. He can thus move from one MediaCenter to another MediaCenter.

All the indexed words can be grouped in the form of a general index book in order to allow searches on all the books.

There follows a description of examples of the management of access rights to information in the context of the process according to the invention. A set of services is defined allowing the administration of access rights to information.

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Each document has a list of readers and reader groups having specific rights to that document. Resources have rights assigned to users. Rights can be assigned to:

- MediaCenters,
- 5 - Bookcases,
- Bookshelves,
- books,
- sections or chapters,
- documents (or links) in a book.

10 The following rights can be applied:

- read,
- write,
- addition (of a book for book groups, of a document for books),
- 15 - appropriation (of a book group, of a book, of a document),
- backup,
- Timetables.

20 A user authorised to delete a book group cannot necessarily delete the documents of a book, unless he has specifically been granted that right.

Ownership of an element does not confer all available rights but the possibility of modifying any right for that element. An administrator has a right of

25 appropriation for all the elements of the bookcase. The notion of ownership allows the identification of any user who has appropriated a document.

The right of backup does not imply a read right: a specific operator may have this right without necessarily

30 being authorised to consult the data.

Timetables can be used to limit access to information, for example by analogy with the opening hours of a library.

Only operators created by the administrator can

35 create readers and reader groups. The following rights can be defined for operators:

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- adding users,
- deleting users,
- deleting readers they have created,
- deleting reader groups they have created,
- 5 - deleting readers,
- deleting reader groups.

There is an administrator group the members of which have the same rights as the administrator. The administrator can never be deleted.

10 It can also be envisaged to assign a lifetime to data which is reflected via the ExpirationDate field of the database. The introduction of this lifetime allows the resolution of problems of confidentiality, storage capacity and retention of pertinent data. It also
15 reinforces the paradigm of the book given that readers are used to reading daily, weekly and monthly publications.

The users and user groups also have a lifetime allowing the restriction of the rights of certain users
20 to a certain duration. Moreover, an expiration date can be fixed for users' passwords in order to force them to renew their passwords and thus increase security.

There follows a description of the essential functions provided by the process according to the
25 invention, with reference to Figure 5. Information is collected (CO) on the Web/Internet, on an Intranet network or on information media such as CD-ROMs. This information or these documents are then filed (CD) for storage in books B arranged on bookshelves BS in a
30 bookcase BI. When a user wants to consult a document, the book B containing that document is extracted from the bookcase and opened in order to allow display VI of the pages of this book. It is therefore possible to display a left-hand page PG and a right-hand page PD which can
35 turn around a binder RL, these pages optionally being furnished with tabs OG, OD. On the pages of the

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documents, the user can at will highlight (MS) words or extracts of the document, or attach notes NP.

During the creation of the book, the process according to the invention includes the following
5 functions:

- generation GS of a table of contents SO;
- generation GR of a summary SU;
- generation GI of an index IN.

The function of the highlighter is to allow
10 information to be highlighted by the user. Thus, when he consults a document again, he can more easily see what is of interest to him. This function also allows the sharing of key information with other users, in particular in an Intranet architecture. The highlighted
15 words are also used to create an index.

The summary is a document generated from highlighted elements and notes taken in other documents of the book.

The table of contents is generated from all the documents consulted. Each document consulted is added to
20 the table of contents chronologically. A user can access the table of contents at any time during consultation. He can request the reorganisation of the table of contents hierarchically, for example according to the URL address tree structure in the case of documents retrieved
25 from the Internet. The set of links in the table of contents can be moved by the user in order to generate his own tree structure. Any branch of this tree structure can be masked. The table of contents is able to show the user which documents have been updated on remote sites. A
30 special folder called "unfiled pages" contains all the pages consulted.

Each document downloaded and belonging to the table of contents is analysed to extract keywords. These keywords are used to generate an index. They are
35 highlighted in a document either by character functions

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(bold, italics, etc.) or by using the highlighting function.

The index indicates all the pages where each keyword appears, even if it has only been highlighted in a single document.

The index has an input box which can be used to instantly move to the term searched for in the index. This input box can also allow a more comprehensive search throughout the book. In that case, a new document containing the results of the search is added to the book.

A user can associate with a document one or more notes which are placed in the document at the user's discretion. On searching the index, it is possible to specify that the search also applies to the notes, or only in the notes. The notes take the form of a self-adhesive label in which the user can input a portion of text.

It should be noted that the qualification process according to the invention can be associated with any publishing and printing process which can be used to physically create real books, memo books or notepads or any other material medium. Moreover, the qualification process according to the invention can retrieve any application applet available in the multimedia field.

Of course, the invention is not limited to the examples which have just been described, and many adaptations can be made to these examples without exceeding the scope of the invention. Thus other tools from those which have just been described can be implemented for the qualification of data. It should be noted that the data and documents concerned by the present invention may be of any origin and may be collected from communications networks which are open, such as the Internet, or private (Intranets), or from information media of any type (CD-ROM, DVD-ROM, etc.).

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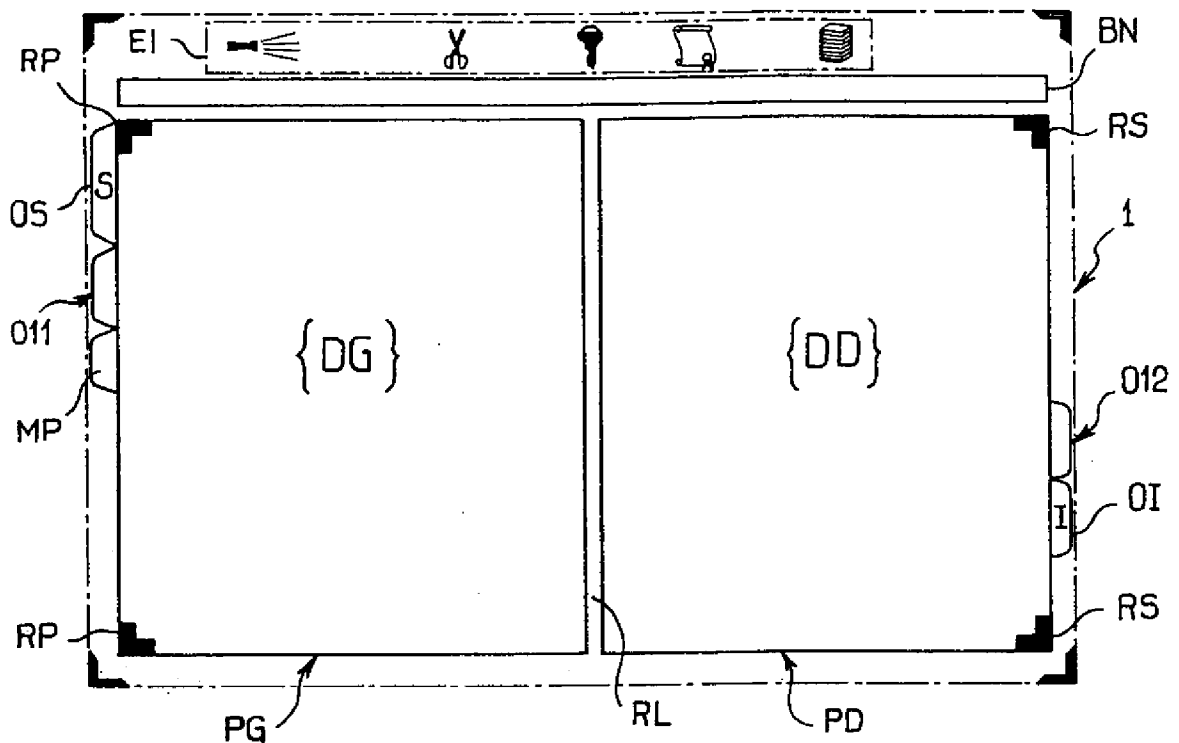


FIG. 1

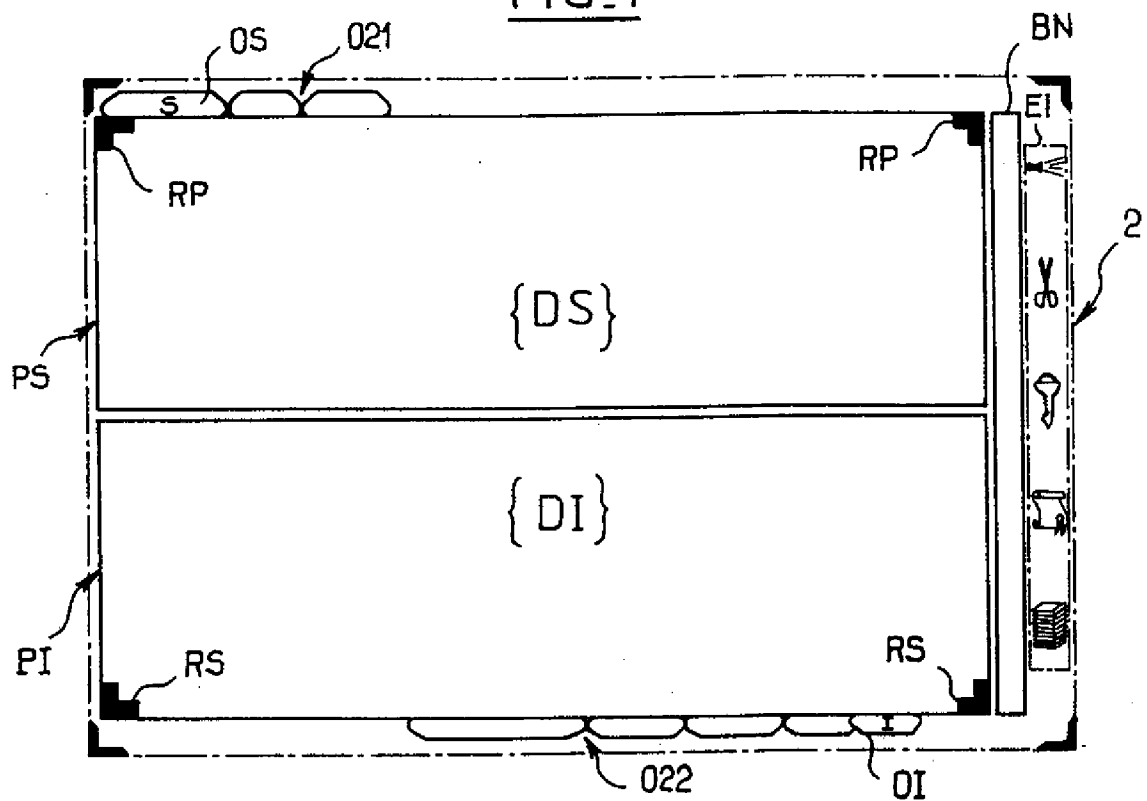
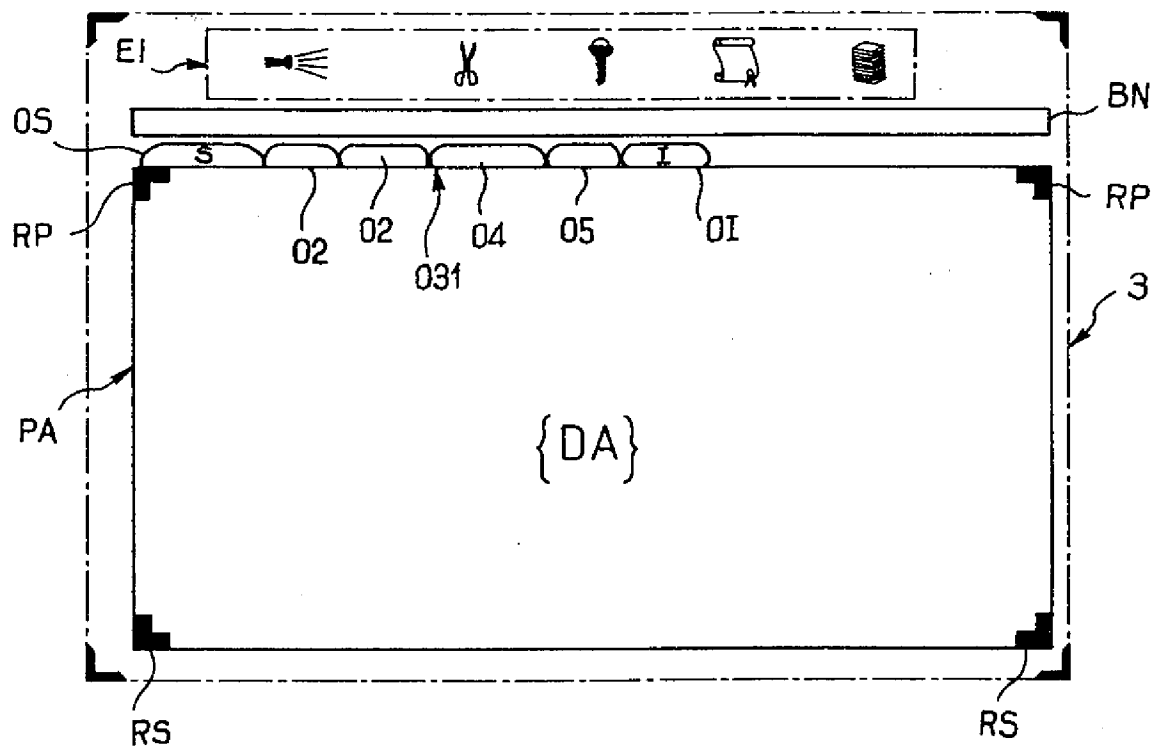
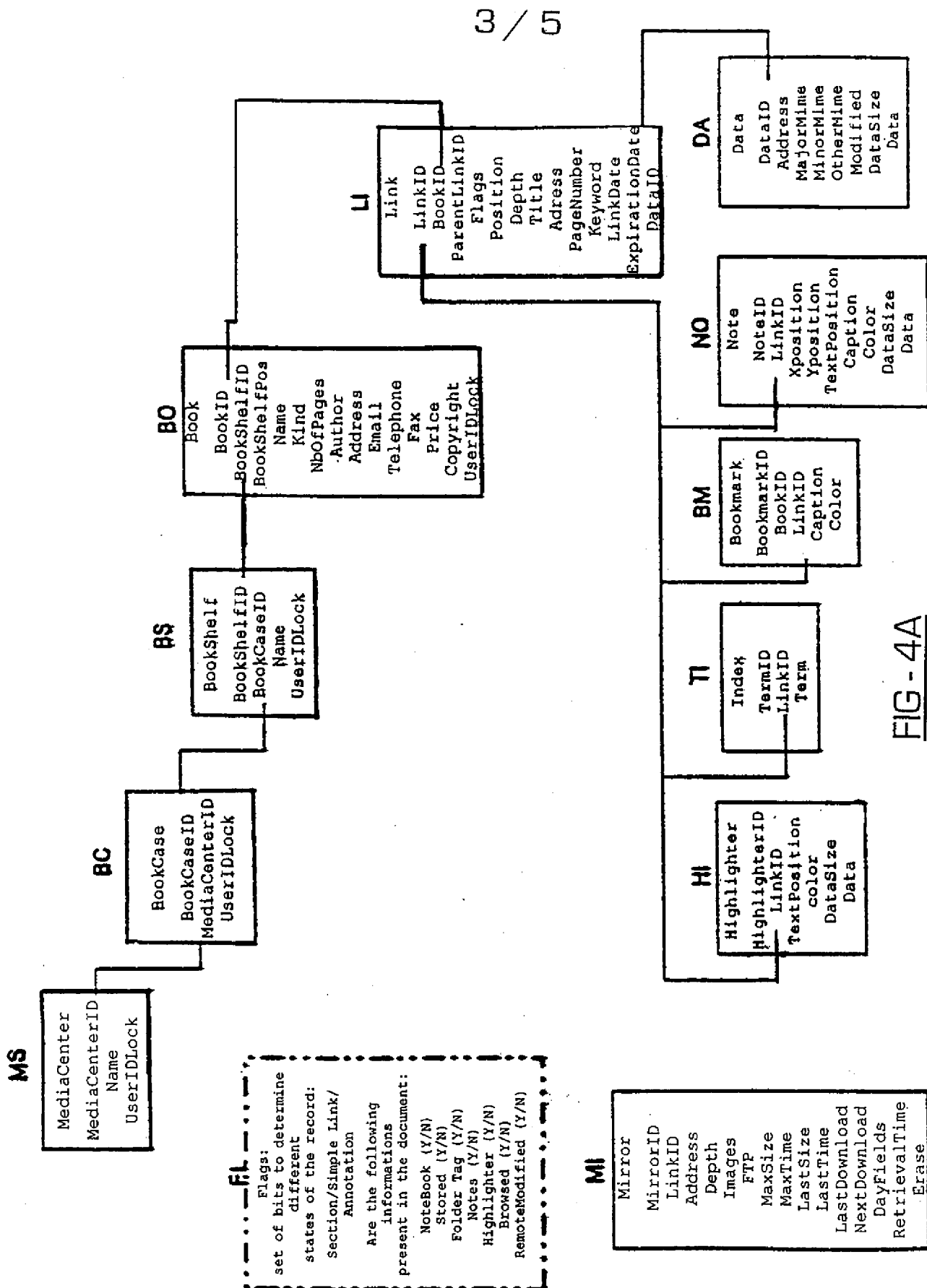


FIG. 2

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FIG. 3



4 / 5

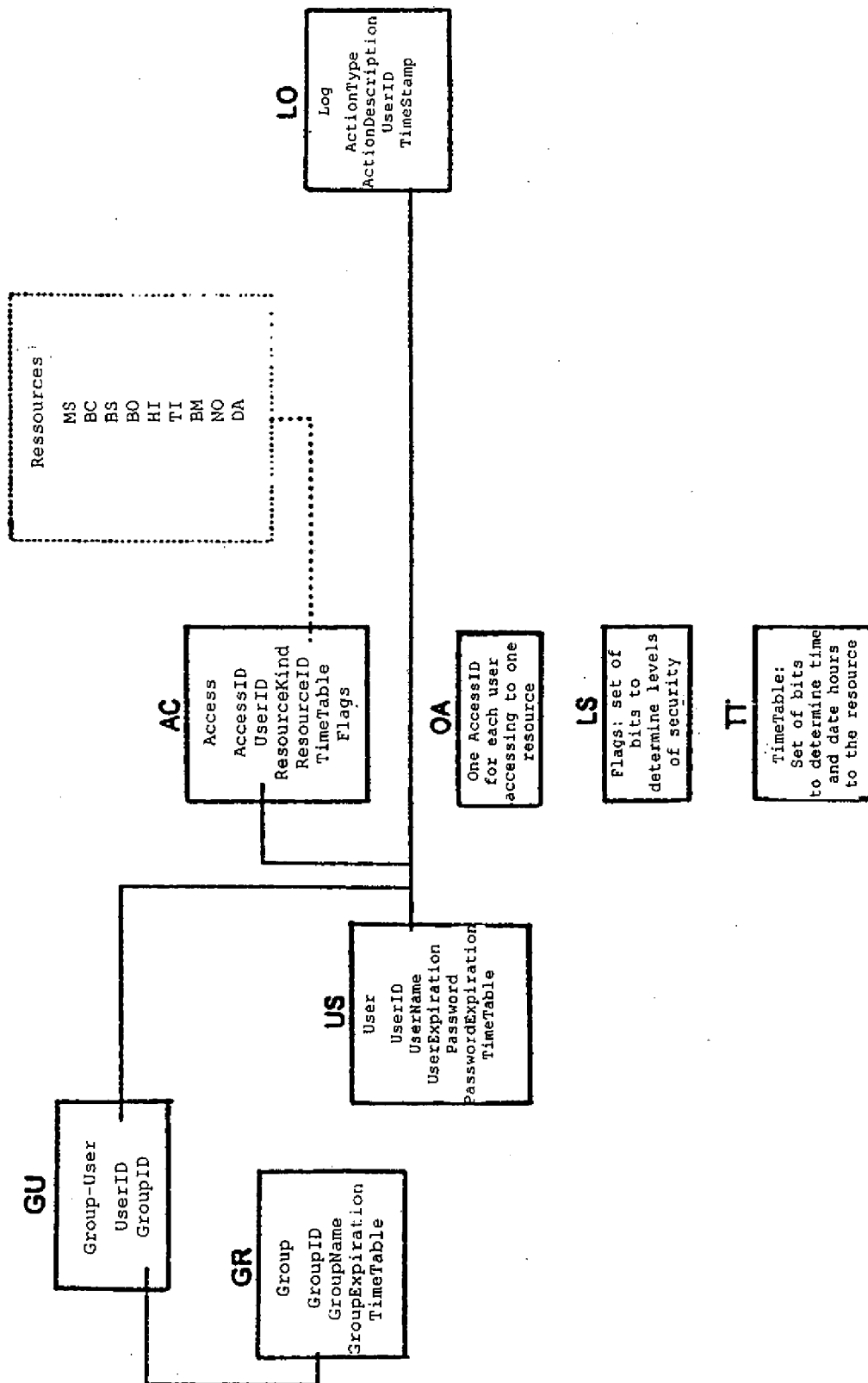
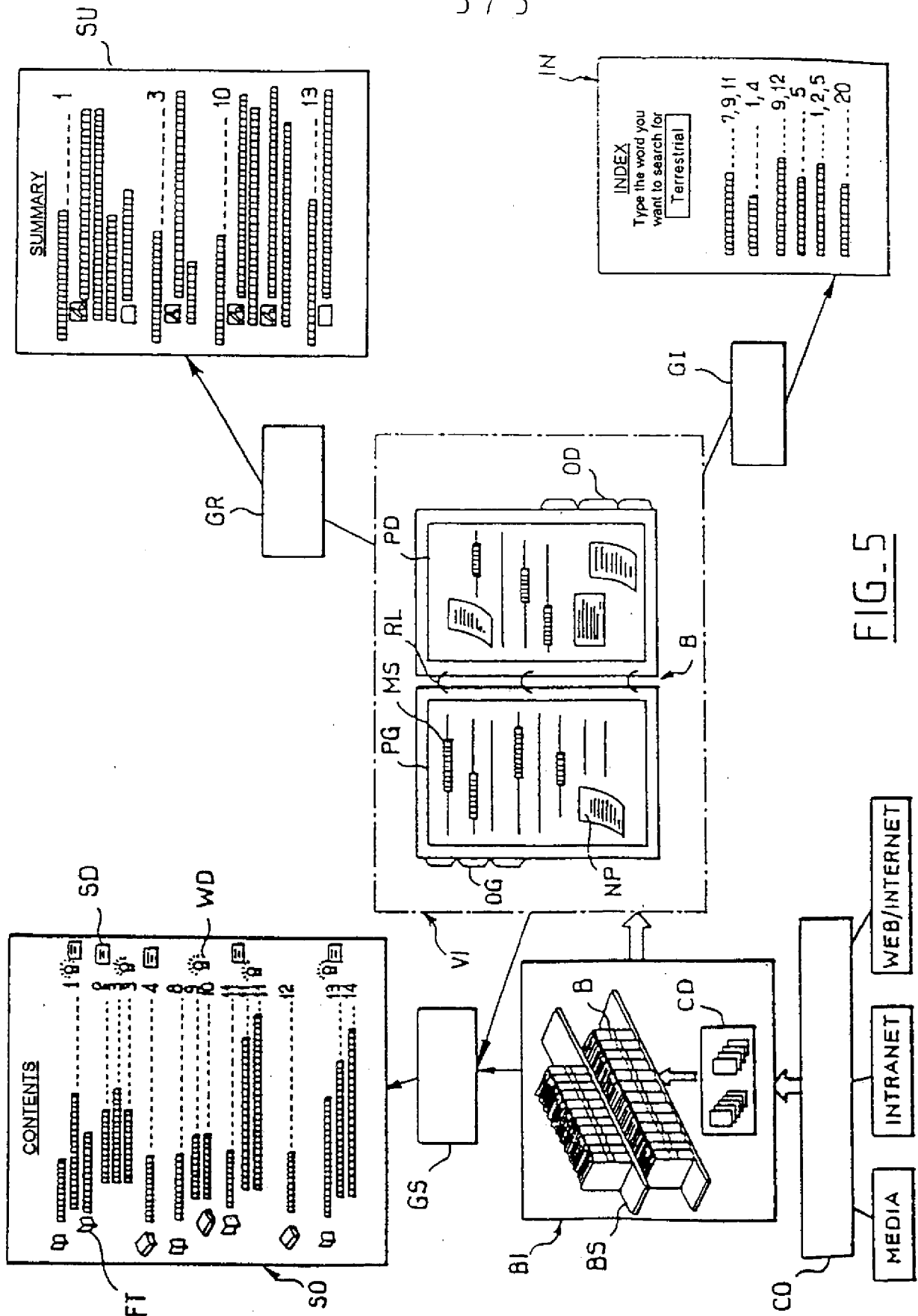


FIG - 4B

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RECEIPT OF THE BELOW-IDENTIFIED DOCUMENT ON THE DATE INDICATED
BY SUCH STAMP.

In re: Michel SAFARS et al.

S.N. 60/055,608 ~~XXXX~~ Box Provisional Patent
Application

RESPONSE TO NOTICE TO FILE MISSING PARTS

with Form PTO-167

with verified English translation

67 JAN 2 1998

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